

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claims 1-20. (Canceled)

21. (New) A water-soluble polymer composition obtained by continuous polymerization of at least one unsaturated monomer,

wherein said polymerization is effected on a moving support with a predetermined residence time, and

wherein during said polymerization at least one parameter biasing the polymerization is varied in the feed of said monomer to the moving support in a continuous fashion according to an oscillation about a mean value at a frequency that is in the same order of magnitude as the residence time.

22. (New) The water-soluble polymer composition according to Claim 21, which is a water-soluble co-polymer or terpolymer composition, and

wherein the residence time is within the range of from about 40 to about 45 minutes, and wherein the frequency is within the range of from 45 to 60 minutes.

23. (New) The water-soluble polymer composition according to Claim 21, wherein said polymerization is a photopolymerization.

24. (New) The water-soluble polymer composition according to Claim 21, wherein the oscillation is harmonic.

25. (New) The water-soluble polymer composition according to Claim 21, wherein at least one of the following parameters is subject to variation:

- a concentration of at least one monomer,
- an amount of a catalyst,
- an amount of a molecular weight modifier,
- a pH value of a monomer solution, or
- a composition of said monomer solution.

26. (New) The water-soluble polymer composition according to Claim 21, wherein the composition is a co-polymer or terpolymer composition.

27. (New) The water-soluble polymer composition according to Claim 21, wherein the composition is a non-ionogenic, anionic or cationic polymer composition.

28. (New) The water-soluble polymer composition according to Claim 21, wherein the composition is in a powdered form.

29. (New) The water-soluble polymer composition according to Claim 24, wherein the oscillation is undamped.

30. (New) A process for treating a suspension, comprising:
adding the water-soluble polymer composition claimed in Claim 21 to said suspension, wherein said water-soluble polymer composition flocculates or dewateres said suspension.

31. (New) A method of dewatering sewage, comprising:
adding the water-soluble polymer composition according to Claim 21 to said sewage,
to remove solids from said sewage at a substantially constant filtrate clarity.

32. (New) A water-soluble co-polymer or terpolymer composition obtained by
continuous polymerization of unsaturated monomers,
wherein said polymerization is effected on a conveyor belt with a predetermined
residence time, and
wherein prior to the polymerization the metering rate of at least one of the unsaturated
monomers is varied in the feed of said monomer to said conveyor belt in a continuous fashion
by steadily increasing and steadily decreasing back the metering rate according to an
oscillation about a mean value at a frequency that is in the same order of magnitude as the
residence time.

33. (New) The water-soluble co-polymer or terpolymer composition according to
Claim 32, wherein the residence time is within the range of from about 40 to about 45
minutes, and wherein the frequency is within the range of from 45 to 60 minutes.

34. (New) The water-soluble co-polymer or terpolymer composition according to
Claim 32, wherein said polymerization is a photopolymerization.

35. (New) The water-soluble co-polymer or terpolymer composition according to
Claim 32, wherein the oscillation is harmonic.

36. (New) The water-soluble co-polymer or terpolymer composition according to Claim 32, wherein the composition is a non-ionogenic, anionic or cationic polymer composition.

37. (New) The water-soluble co-polymer or terpolymer composition according to Claim 32, wherein the composition is in a powdered form.

38. (New) The water-soluble co-polymer or terpolymer composition according to Claim 35, wherein the oscillation is undamped.

39. (New) A process for treating a suspension, comprising:
adding the water-soluble polymer composition claimed in Claim 32 to said suspension, wherein said water-soluble polymer composition flocculates or dewateres said suspension.

40. (New) A method of dewatering sewage, comprising:
adding the water-soluble polymer composition according to Claim 32 to said sewage, to remove solids from said sewage at a substantially constant filtrate clarity.

BASIS FOR THE AMENDMENT

Claims 1-20 have been canceled.

New Claims 21-40 have been added.

New Claims 21 and 32 are supported by Claim 1 as originally filed and by the Examples of the specification.

New Claims 22 and 33 are supported by the Examples 1-4 of the specification.

New Claims 23 and 34 are supported by the Examples of the specification.

New Claims 24 and 35 are supported by Claim 3 as originally filed.

New Claim 25 is supported by Claim 4 as originally filed.

New Claim 26 is supported by Claim 6 as originally filed.

New Claims 27 and 36 are supported by Claim 7 as originally filed.

New Claims 28 and 37 are supported by Claim 15 as originally filed.

New Claims 29 and 38 are supported by Claim 16 as originally filed.

New Claims 30 and 39 are supported by Claim 18 as originally filed.

New Claims 31 and 40 are supported at page 21, 1st paragraph of the specification.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 21-40 will now be active in this application.